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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/653,039	09/01/2000	David J. Pawson	50277-1533	6577

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OBLON, SPIVAK, MCCLELLAND, MAIER & NEUST
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ALEXANDRIA, VA 22314

EXAMINER

OSMAN, RAMY M

ART UNIT PAPER NUMBER

2157

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/653,039	Applicant(s) PAWSON	
	Examiner Ramy M. Osman	Art Unit 2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 53-81 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 53-81 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of Claims

1. This communication is responsive to amendments filed on October 5, 2005. Claims 53-81 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 53-81 have been considered but are not persuasive.
3. Applicant argues that Forler does not address implementation of muting at the stream server.

In reply, the signal processing system of Forler (see Fig 1) streams audio data, and that is interpreted to be the stream server. Muting is performed by Forler, outlined in column 3 lines 1-35. Applicant has not detailed the characteristics of the stream server that would limit the scope of interpretation.

4. Applicant argues Forler does not teach eliminating transmission of the data stream to the client device to provide muting.

In reply, Forler does teach eliminating data transmission by way of decoupling the signal AUDIO from the output. This therefore eliminates the output data transmission. Applicants claims are broad and are therefore broadly interpreted.

5. Applicant argues that does not teach determining an amount that a data rate of a second data stream may be increased.

In reply, Forler discloses enabling a signal CCEN to transmit closed caption data. The transmission rate is increased from 0 (i.e. non-enabled) to any arbitrary rate sufficient for closed-captioning (i.e. enabled). The claims are broad and fail to mention details of the ‘determining’ (column 3 lines 10-67).

6. Applicant argues that in reference to claim 61 and the like, Forler does not teach determining whether a third data stream may be streamed as a result of an effect on transmission bandwidth.

In reply, whether the data stream is a first, second, or third stream is irrelevant. The claim(s) fails to mention a second stream, therefore it cannot be interpreted to be an implied second stream alongside the third stream. An implied second stream alongside the third stream has no patentable weight. The third stream in the claim is broadly interpreted to be just another stream besides the first stream. This feature is taught by Forler as mentioned above and as mentioned in the rejection below.

7. Applicant argues that Forler does not teach determining an amount that a data rate of a second data stream should be reduced as a result of an effect on transmission bandwidth corresponding to the increase in the data rate of a first data stream.

In reply, Forler teaches that the closed-caption signal is enabled (i.e. increased from 0 to an arbitrary rate) as a result of the audio signal being disabled (i.e. audio signal transmission is eliminated).

The claims are broad and fail to provide the specific details of the relationship and interdependence of the data streams with each other. The claims also fail to specify the details of

Art Unit: 2157

the properties/characteristics of the stream. Therefore, the claims are broadly interpreted as mention above.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. **Claims 53-56,61-63,65,71-74 and 79-81 rejected under 35 U.S.C. 102(b) as being anticipated by Forler et al (U.S. Patent No. 5,327,176).**

10. In reference to claims 53,61,65,71 and 79-81, Forler teaches a method, computer program product and a stream server system respectively, of operating a stream server, the method comprising:

receiving a signal from a client device, said signal including an indication of a client requested presentation action that, when put into effect by the stream server, involves reducing a data rate of a first data stream being sent from the stream server to the client device or eliminating the transmission of the first data stream to the client device, the first data stream including data of a first type (column 2 line 65 – column 3 line 11);

implementing the client requested presentation action, said act of implementing the client requested presentation action including reducing the data rate of the first data stream or

Art Unit: 2157

eliminating the transmission of the first data stream to the client device (column 3 lines 1-28);
and

determining an amount that a data rate of a second data stream including data of a second type may be increased as a result of an effect on transmission bandwidth corresponding to the reduction in the data rate of the first data stream or the elimination of the first data stream (column 3 line 45 – column 4 line 23).

11. In reference to claims 54,62 and 72, Forler teaches the method and computer program product of claims 53,61 and 71 respectively, wherein said first type of data is audio data; and said indication comprises an indication of a client requested action to reduce or eliminate the transmission of audio data to the client device (column 2 line 65 – column 3 line 11).

12. In reference to claims 55,63 and 73, Forler teaches the method and computer program product of claims 54,62 and 72 respectively, wherein said indication comprises: an indication that audio be muted (column 3 lines 1-28).

13. In reference to claims 56 and 74, Forler teaches the method and computer program product of claims 53 and 71 respectively, wherein the act of determining an amount that a data rate of a second data stream may be increased comprises: determining an amount of bandwidth that is freed up by reducing the data rate of the first data stream or eliminating the first data stream (column 2 line 65 – column 3 line 28).

Claim Rejections - 35 USC § 103

14. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

15. Claims 57-60 rejected under 35 U.S.C. 103(a) as being unpatentable over Forler et al (U.S. Patent No. 5,327,176) in view of Safadi (US Patent No 6,487,721).

16. In reference to claim to 57,67 and 75, Forler teaches the method and computer program product of claims 56,66 and 71 respectively. Forler fails to explicitly teach further comprising: including both said first and second streams in a Single Program Transport Stream which is sent to said client device. However, Safadi teaches encoding analog programs to provide single program transport streams (SPTS) for the purpose of digitizing and encoding according to digital standards (column 4 lines 45-55 and column 6 lines 15-50).

It would have been obvious for one of ordinary skill in the art to modify Forler by including both said first and second streams in a Single Program Transport Stream which is sent to said client device as per the teachings of Safadi for the purpose of digitizing and encoding according to digital standards.

17. In reference to claims to 58,68 and 76, Forler teaches the method and computer program product of claims 53,65 and 71 respectively. Forler fails to explicitly teach, further comprising: including both said first and second data streams in different Single Program Transport Streams, each of said different Single Program Streams being part of a Multiple Program Transport Stream which includes both of said different Single Program Transport Streams. However,

Art Unit: 2157

Safadi teaches multiplexing single program transport streams (SPTS's) into a multi-program transport stream (MPTS) for the purpose of digitizing and encoding according to digital standards (column 4 lines 45-67 and column 5 lines 30-50).

It would have been obvious for one of ordinary skill in the art to modify Forler by including both said first and second data streams in different Single Program Transport Streams, each of said different Single Program Streams being part of a Multiple Program Transport Stream which includes both of said different Single Program Transport Streams as per the teachings of Safadi for the purpose of digitizing and encoding according to digital standards.

18. In reference to claims to 59,70 and 77, Forler teaches the method and computer program product of claims 53,65 and 71 respectively. Forler fails to explicitly teach, wherein the act of reducing the data rate of the first data stream or eliminating the transmission of the first data stream to the client device includes: providing a stream of packets as part of a packet flow to a modified multiplexing device, said stream of packets including data packets which can be sent to the client device in said first data stream; operating the modified multiplexer to perform a filtering operation on said stream of packets to control the amount of data included in the first data stream; and operating the modified multiplexer to output said first data stream. However, Safadi teaches modifying a stream upon receiving an instruction to do so, and multiplexing the stream to perform a filtering operation on the stream (column 4 lines 45-67 and column 5 lines 30-50).

It would have been obvious for one of ordinary skill in the art to modify Forler by providing a stream of packets as part of a packet flow to a modified multiplexing device, said stream of packets including data packets which can be sent to the client device in said first data

Art Unit: 2157

stream; operating the modified multiplexer to perform a filtering operation on said stream of packets to control the amount of data included in the first data stream; and operating the modified multiplexer to output said first data stream as per the teachings of Safadi for the purpose of digitizing and encoding according to digital standards.

19. In reference to claims 60,64,69 and 78, Forler teaches the method and computer program product of claims 53,62,65 and 71 respectively. Forler fails to explicitly teach providing the second data stream to a device other than the client device. However, Safadi teaches where the streams are sent to multiple set-top boxes (column 7 lines 15-67).

It would have been obvious for one of ordinary skill in the art to modify Forler by providing the second data stream to a device other than the client device as per the teachings of Safadi so that multiple clients can all view, hear, or read the additional content added to the stream.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramy M. Osman whose telephone number is (571) 272-4008. The examiner can normally be reached on M-F 9-5.

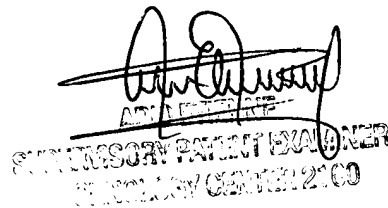
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2157

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RMO

December 17, 2005



Handwritten signature: *[Signature]*
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